

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	17	Gillette-timothy-c.in. or west-steven-j.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/01 11:35
S3	919	204/412.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/01 13:26
S4	919	204/412.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/01 13:09
S5	1980	204/412,461,417,418.ccls. or 257/253.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/01 13:28
S7	159	(204/412,461,417,418.ccls. or 257/253.ccls.) and electrochemical and (sens\$3 or detect\$3 or measur\$3) and electrode\$1 and (oxidation or reduction) and (semiconduct\$3 or semi-conduct\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/01 14:48
S8	9	(204/412,461,417,418.ccls. or 257/253.ccls.) and electrochemical and (sens\$3 or detect\$3 or measur\$3) and electrode\$1 and (oxidation or reduction) and (semiconduct\$3 or semi-conduct\$3) and titra\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/01 14:48
S9	9	(204/412,461,417,418.ccls. or 257/253.ccls.) and (isfet or (ion with (selective or sensitive) with transistor)) and (((("a plurality of" or "four" or "two pairs" or "more than one pair" or "at least two pair" or "second pair") with electrode\$1) or (multiple adj electrodes) or "at least two electrode pairs" or "more than one electrode pair" or "second electrode pair")	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/07 10:30
S11	5	S9 and gate	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/01 16:11
S12	1	S9 and titra\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/01 15:08

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S13	4	S9 and (oxidation or reduction)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/01 15:08
S14	5	S9 and linear\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 17:50
S15	1	S9 and ground	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 17:34
S17	9	S9 and (reference with electrode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/01 15:09
S19	2	S9 and (varistor or (divert with current) or polyswitch or poly-switch or switch or (transient with (voltage or current)) or transil or photovaristor or mov)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 17:19
S21	3	S9 and (multimode or multi-mode or (mode adjacent multi\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 12:11
S22	3	S9 and (multimode or multi-mode or (mode adjacent multi\$3)) and (titra\$4 or oxidation or reduction or (oxidation adj reduction) or linear\$2 or ground\$3 or reference or gate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/01 16:15
S24	0	(204/412,461,417,418.ccls. or 257/253.ccls.) and (isfet or (ion with (selective or sensitive) with transistor)) same (((("a plurality of" or "four" or "two pairs" or "more than one pair" or "at least two pair" or "second pair") with electrode\$1) or (multiple adj electrodes) or "at least two electrode pairs" or "more than one electrode pair" or "second electrode pair")	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/01 16:32
S25	5	pumphrey-john-g.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 10:11

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S26	9	(204/412,461,417,418.ccls. or 257/253.ccls.) and (isfet or (ion with (selective or sensitive) with transistor)) and (((a plurality of" or "four" or "two pairs" or "more than one pair" or "at least two pair" or "second pair") with electrode\$1) or (multiple adj electrodes) or "at least two electrode pairs" or "more than one electrode pair" or "second electrode pair")	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 13:09
S27	0	S26 and (linear\$2 with (reference adj electrode\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 10:40
S30	3	((("6280587") or ("6280586") or ("5001417"))).PN.	USPAT	OR	OFF	2006/12/04 17:17
S33	0	S30 and (semi adj conduct\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 12:16
S35	2	S30 and (semiconduct\$3 or (semi adj conduct\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 12:16
S36	125	(204/412,461,417,418.ccls. or 257/253.ccls.) and (isfet or (ion with (selective or sensitive) with transistor)) same (electrode\$1 or (light with shield))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 13:13
S37	5	(204/412,461,417,418.ccls. or 257/253.ccls.) and (isfet or (ion with (selective or sensitive) with transistor)) same (electrode\$1 and (light with shield))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 13:15
S38	8	S36 and S26	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 13:13
S39	5	(204/412,461,417,418.ccls. or 257/253.ccls.) and (isfet or (ion with (selective or sensitive) with transistor)) same (electrode\$1 and (light with shield)) and gate and (semiconduct\$3 or (semi adj conduct\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/06 16:24
S45	5	(204/412,461,417,418.ccls. or 257/253.ccls.) and ((isfet or (ion with (selective or sensitive) with transistor)) same (light with shield))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 13:49

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S46	15	((isfet or (ion with (selective or sensitive) with transistor)) same (light with shield))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 13:45
S48	23	((isfet or (ion with (selective or sensitive) with transistor))) same (light with (shield\$3 or protect\$3 or guard\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 13:49
S49	8	(204/412,461,417,418.ccls. or 257/253.ccls.) and (isfet or ((ion with (selective or sensitive)) with transistor)) same (light with (shield\$3 or protect\$3 or guard\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 14:37
S50	1	(204/412,461,417,418.ccls. or 257/253.ccls.) and (isfet or ((ion with (selective or sensitive)) with transistor)) same gate and (gate same titra\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 14:48
S51	7	(204/412,461,417,418.ccls. or 257/253.ccls.) and (isfet or ((ion with (selective or sensitive)) with transistor)) same gate same current same (control\$4 or polariz\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 16:01
S52	1	(204/412,461,417,418.ccls. or 257/253.ccls.) and (isfet or ((ion with (selective or sensitive)) with transistor)) same gate and (gate same polariz\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 16:02
S53	4	(US-5833824-\$ or US-6280587-\$ or US-6280586-\$ or US-4839000-\$). did.	USPAT	AND	OFF	2006/12/05 17:27
S54	1	S53 and (varistor or (divert with current) or polyswitch or poly-switch or switch or (transient with (voltage or current)) or transil or photovaristor or mov)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 17:30
S56	1	S53 and ground\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 17:39

## EAST Search History

S57	9	(204/412,461,417,418.ccls. or 257/253.ccls.) and (isfet or (ion with (selective or sensitive) with transistor)) and (((("a plurality of" or "four" or "two pairs" or "more than one pair" or "at least two pair" or "second pair") with electrode\$1) or (multiple adj electrodes) or "at least two electrode pairs" or "more than one electrode pair" or "second electrode pair"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 17:34
S58	2	S57 and ground\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 17:34
S59	0	S53 and "constant current"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 17:39
S60	2	S53 and (constant with current)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 17:41
S61	1	S53 and linear\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 17:50
S62	0	S53 and ((current or voltage) with increas\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/04 17:51
S63	3427	electrode\$1 with (larger or smaller) with pair\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/05 17:32
S64	591	((electrode\$1 adj pair\$1) or (pair\$1 adj "of electrodes")) with (larger or smaller)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/05 17:35
S65	93	((electrode\$1 adj pair\$1) or (pair\$1 adj "of electrodes")) with (larger or smaller) and sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/05 17:43
S66	3	((electrode\$1 adj pair\$1) or (pair\$1 adj "of electrodes")) with (larger or smaller) and sensor and (isfet or (ion with (selective or sensitive) with transistor))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/05 18:01

## EAST Search History

S67	7	((electrode\$1 adj pair\$1) or (pair\$1 adj "of electrodes")) with (size with (larger or smaller)) and sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/05 18:00
S68	95	Nan kai	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/05 17:49
S73	13	Nan kai and electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/05 17:57
S75	6	nan with kai and electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/05 17:59
S76	0	kai-nan.in. and electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/05 18:00
S77	428	nan.in. and electrode\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/05 18:05
S78	41	((electrode\$1 adj pair\$1) or (pair\$1 adj "of electrodes")) with (size with (larger or smaller))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/05 18:00
S79	34	S78 not (S67 or S66)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/05 18:01
S80	26	nan.in. and electrode\$1 and sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/05 18:07
S82	1	("5833824" or "4839000" or "6280586").pn. and (external or source or reference) with constant with (voltage or current or potential)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/06 16:28
S83	3	("5833824" or "4839000" or "6280586").pn. and (external or source or reference) with (voltage or current or potential)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/06 17:18
S84	1	("5833824" or "6280587" or "6280586" or "6236075" or "39000").pn. and ground\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/07 10:30

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S85	84	(204/412,461,417,418.ccls. or 257/253.ccls.) and (isfet or (ion with (selective or sensitive) with transistor)) and electrodes and circuit and (fluid or solution or liquid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/07 10:31
S86	2686	electrode\$1 with (larger or smaller or size) same "current density"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/07 11:25
S87	148	electrode\$1 with (area or larger or smaller or size) with "current density" with (bubbling or limit\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/07 11:41
S88	14	electrode\$1 with (area or larger or smaller or size) with "current density" with (bubbling or limit\$3) same (pair or two)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/07 11:33
S93	42	electrode\$1 with (area or larger or smaller or size) with "current density" with (bubbling or limit\$3) and sens\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2006/12/07 11:42